



Optocoupler



Verification Certificate

This is to certify that:

Vishay Semiconductor GmbH
Theresienstrasse 2
Heilbronn
74072
Germany

Holds Certificate Number:

VC 677239

In respect of:

BS EN IEC 62368-1:2020 Audio/video, information and communication technology equipment - Safety requirements
Clauses: 5.4, 5.5 & 6.4.5

Type samples representative of the products listed have been tested and examined to the relevant requirements of the normative reference listed and have been found to comply with these requirements as detailed in the related Test Report as listed on page 2

For and on behalf of BSI:

Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2017-09-22
Latest Issue: 2022-02-02

Effective Date: 2022-02-02
Expiry Date: 2023-09-09

Page: 1 of 4

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A member of BSI Group of Companies.



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Product Description

Optocoupler type 4N2 series:

4N25 4N26 4N27 4N28 4N25GV 4N25V

Optocoupler type 4N3 series:

4N35GV 4N35V 4N35 4N36 4N37 4N38A

Optocoupler type CNY17 series:

CNY17G-1 CNY17G-2 CNY17G-3 CNY17G-4
CNY17-1 CNY17-2 CNY17-3 CNY17-4

Optocoupler type CNY75 series:

CNY75A CNY75B CNY75C CNY75GA CNY75GB CNY75GC

Optocoupler type CQY80N series:

CQY80N CQY80NG

Optocoupler type K233P series:

K233P K233PG

Optocoupler type TCDT110 series:

TCDT1100 TCDT1100G TCDT1101 TCDT1101G
TCDT1102 TCDT1102G TCDT1103 TCDT1103G

Optocoupler type TCDT1110 series:

TCDT1110 TCDT1110G

Optocoupler type TCDT112 series:

TCDT1120 TCDT1120G TCDT1122 TCDT1122G
TCDT1123 TCDT1123G TCDT1124 TCDT1124G

And lead bending options G, S, S1, M

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As rated below:

1.	Hygroscopic/asbestos/natural rubber materials used:	No
2.	Insulation system:	Reinforced
3.	Mains supply voltage:	≤250 V r.m.s.
4.	RMS working voltage	≤320 V r.m.s.
5.	Peak working voltage:	2000 V peak
6.	Overvoltage category:	II
7.	Pollution degree:	External 2 Internal 1
8.	Maximum operating temperature:	110 °C
9.	Clearance distance:	≥3.0mm
10.	Creepage distance:	≥6.4mm
11.	Distance through insulation:	≥0.4mm
12.	Comparative Tracking Index (CTI):	175 ≤ CTI ≤ 400
13.	Material group:	IIIa

Working parameters:

Mains transient voltage (Withstand voltage)	2500 V peak
Thermal cycling storage temperature:	120°C
Thermal cycling electric strength test voltage.	4000 V peak

In respect of BS EN 62368-1:2014 Clause 6.4.5, samples passed the flammability requirements in accordance with EN 60747-5-5:2001 Clause 7.4.3.6.1

Note: This certificate has been issued for the renewal of VC 677239.

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